



Understanding Decision-Climate Interactions on Decadal Scales



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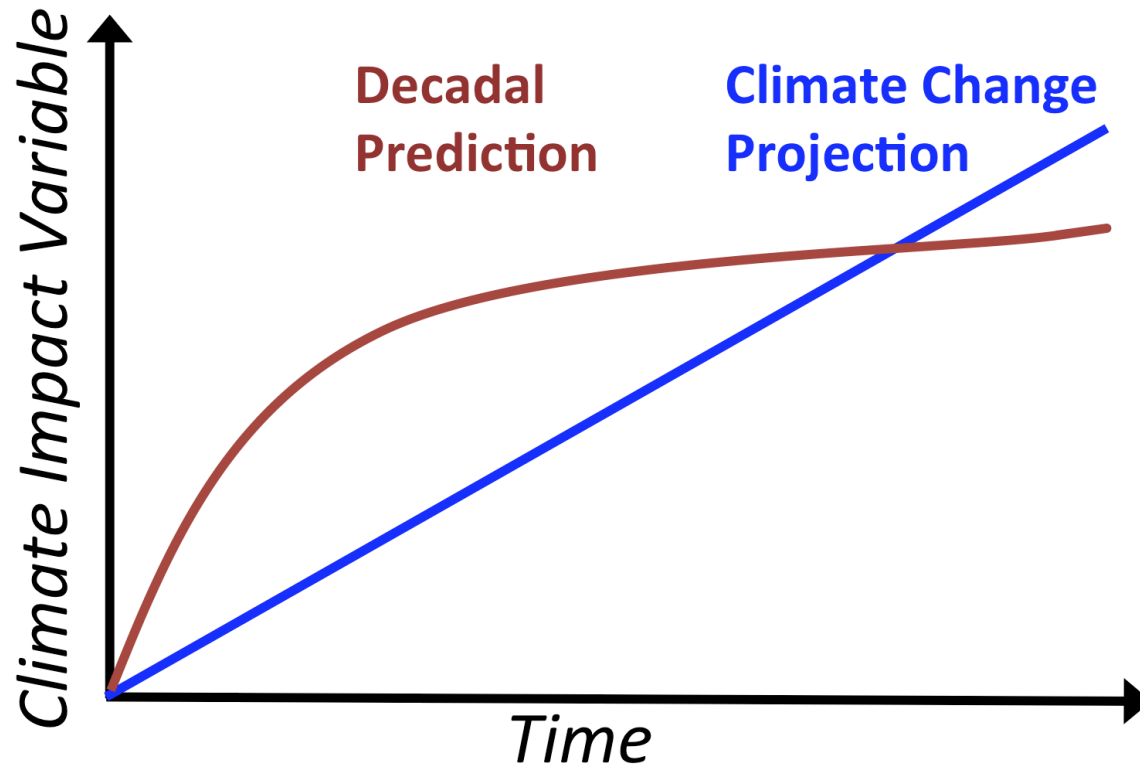
Jeff Czajkowski

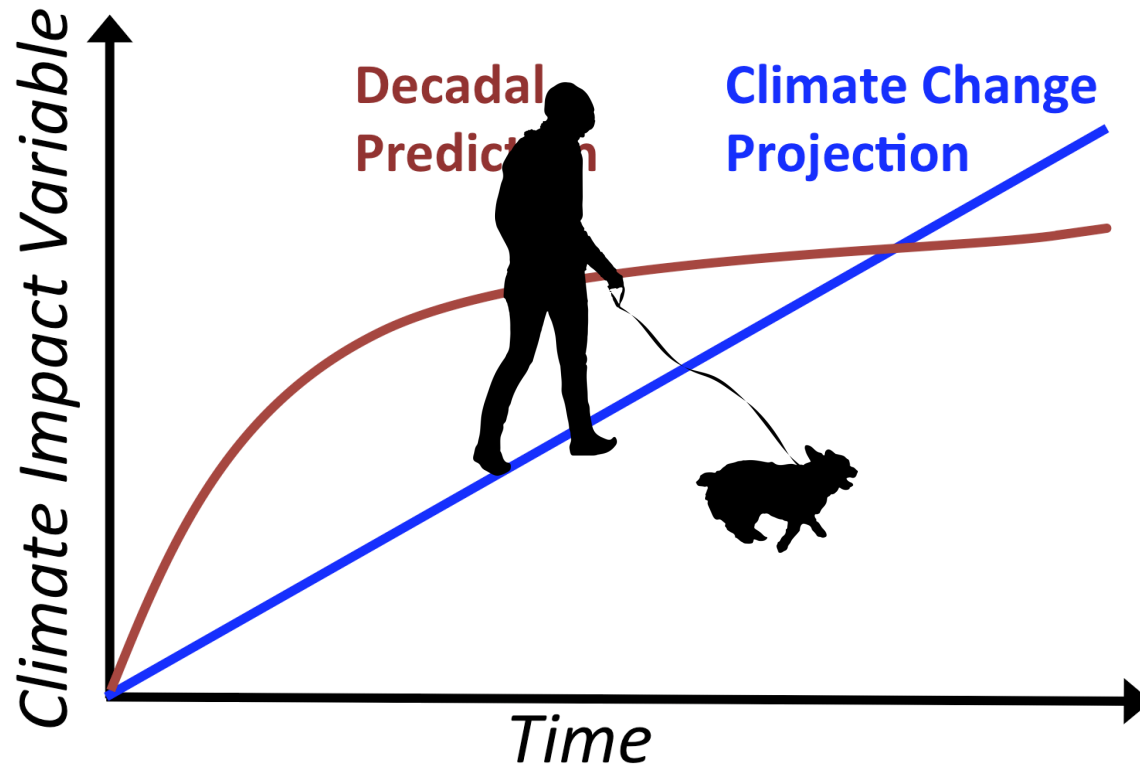


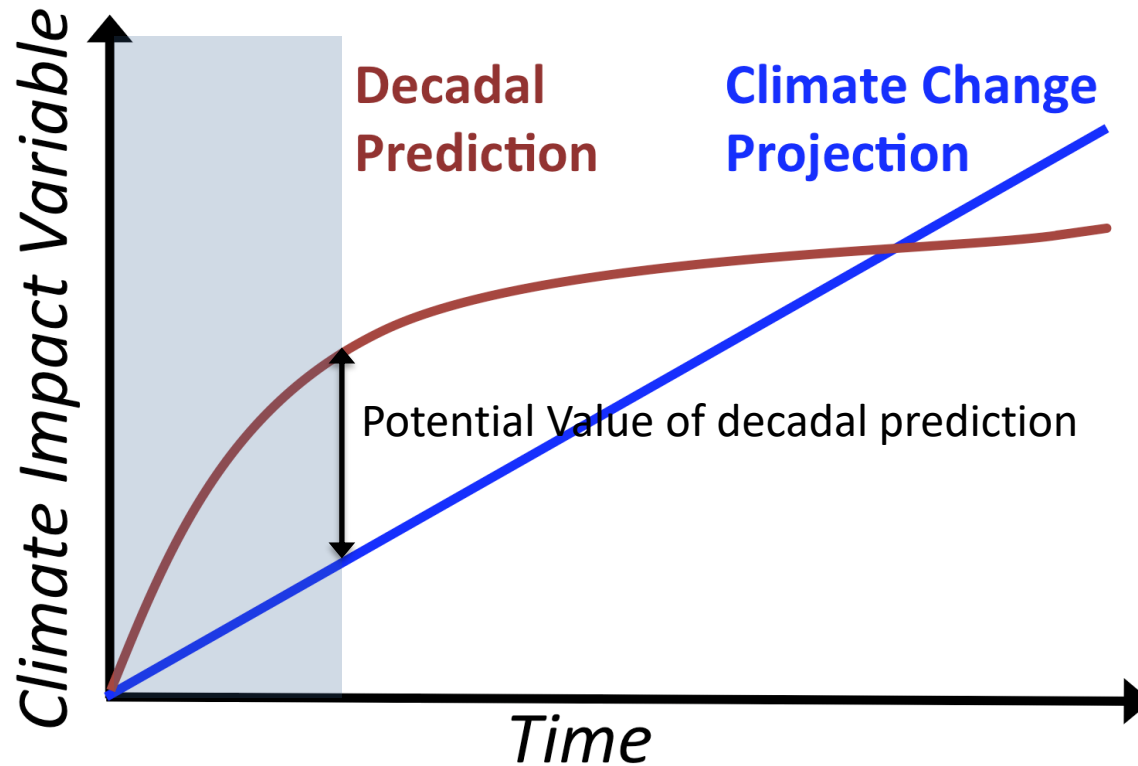
Jennifer Hoeting, Josh Hewitt, Casey Schafer



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**Weather
Forecasts**

**Seasonal
Outlooks**

**Decadal
Predictions**

**Climate Change
Projections**

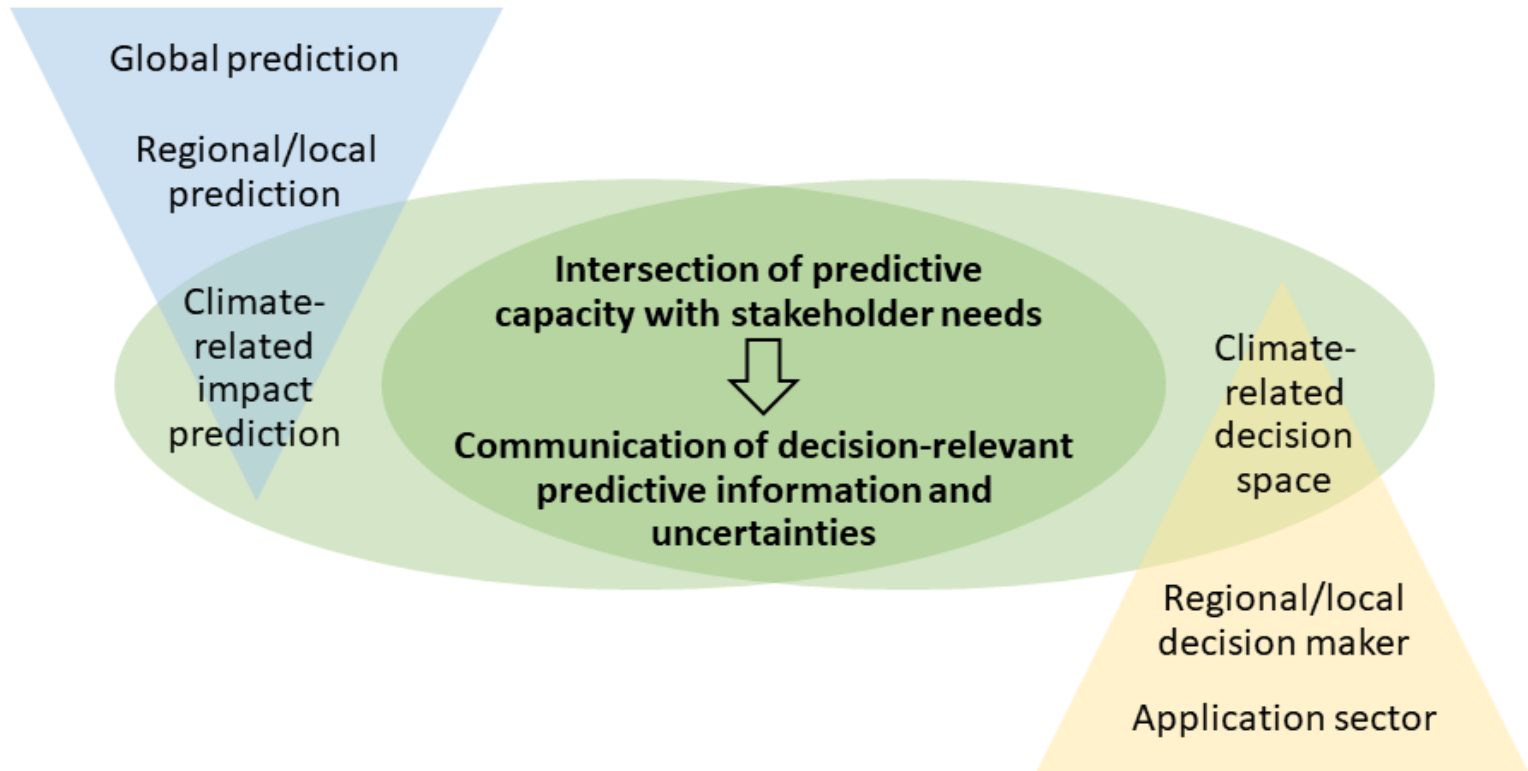
Timescale 

Skill from Initial State

Skill from Climate Forcing

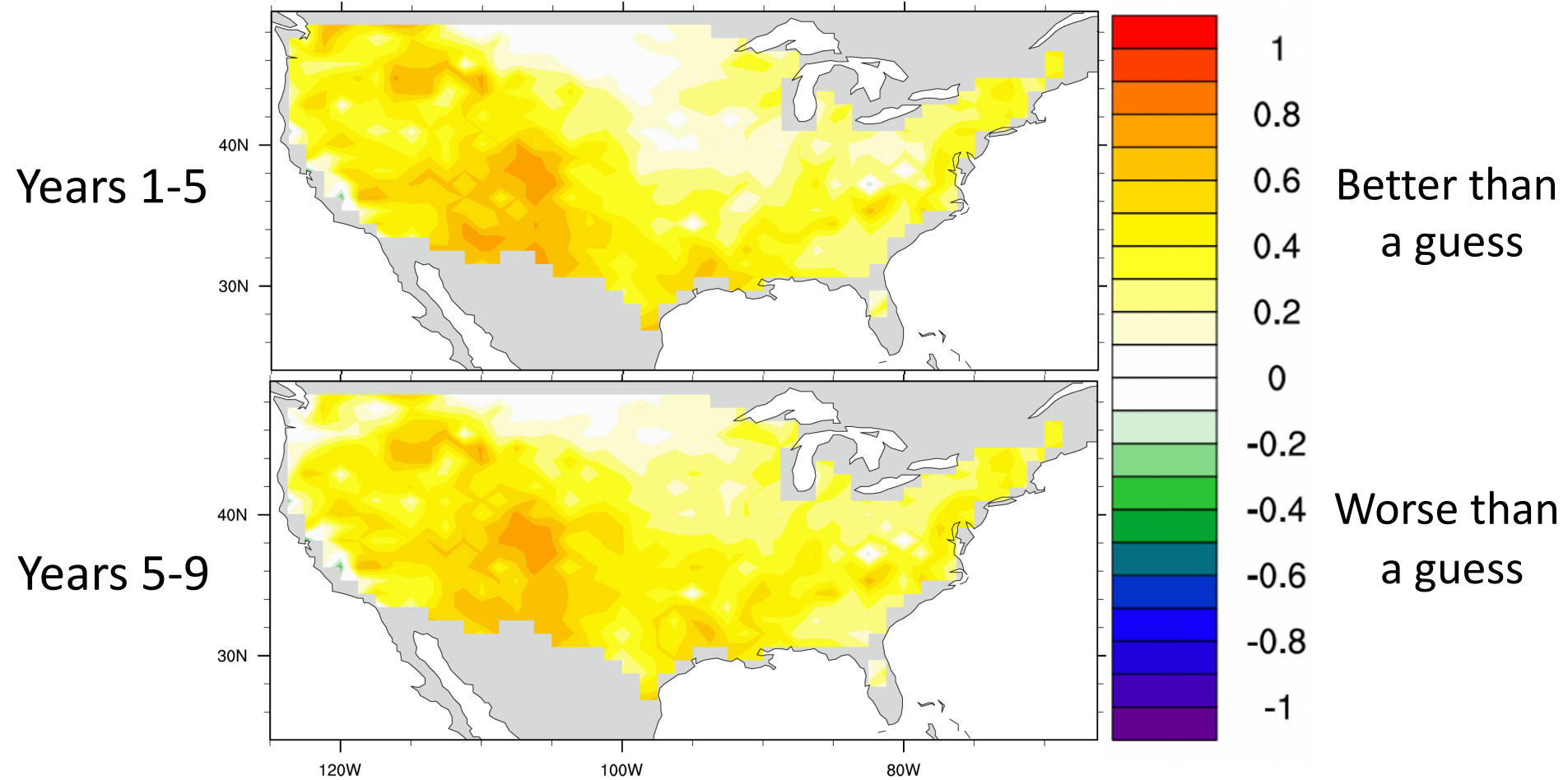
Adapted from Meehl et al (2009)

What is Skillful?

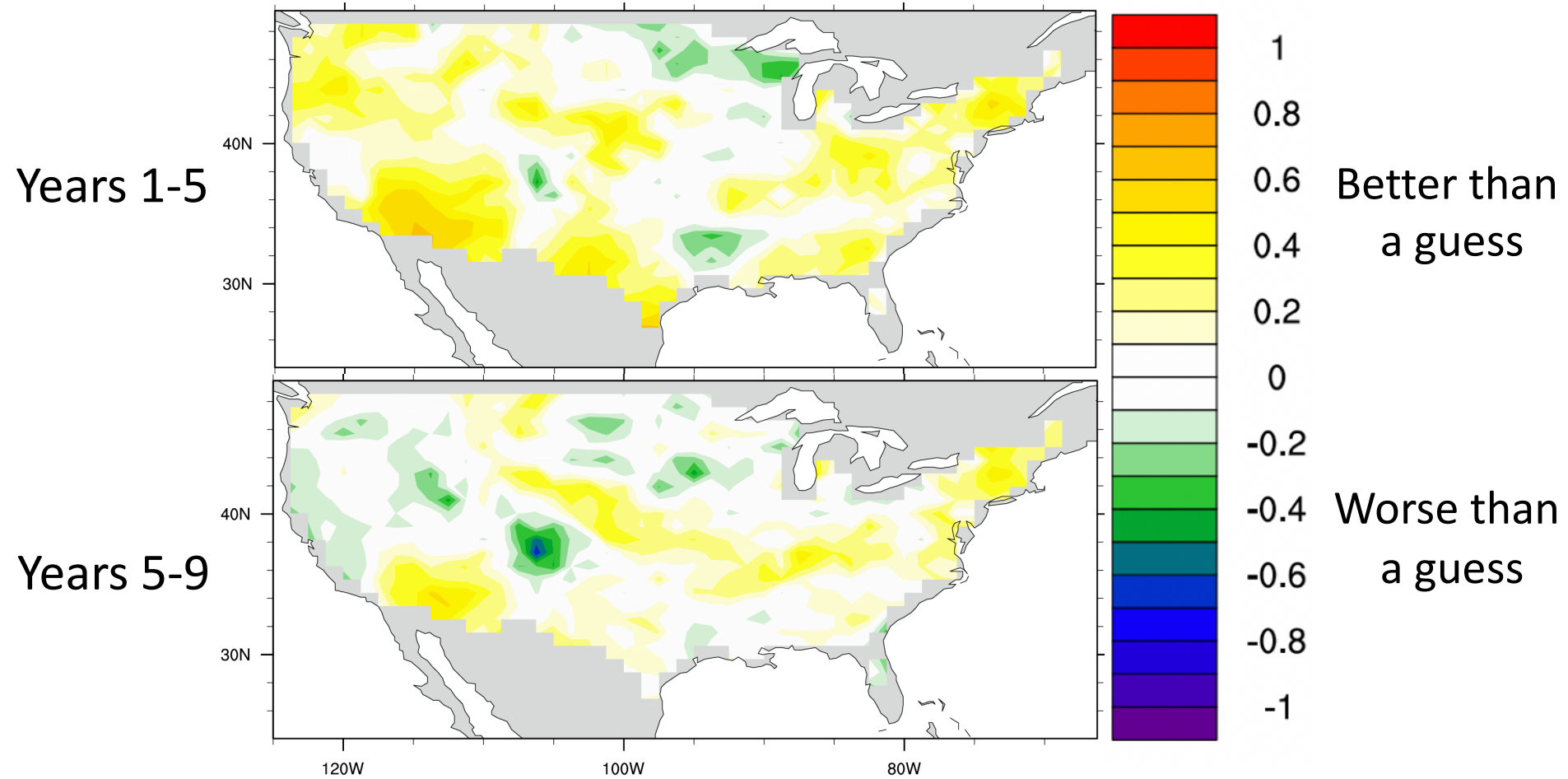


What is Needed?

Temperature is Skillful



Precipitation is not skillful . . . yet



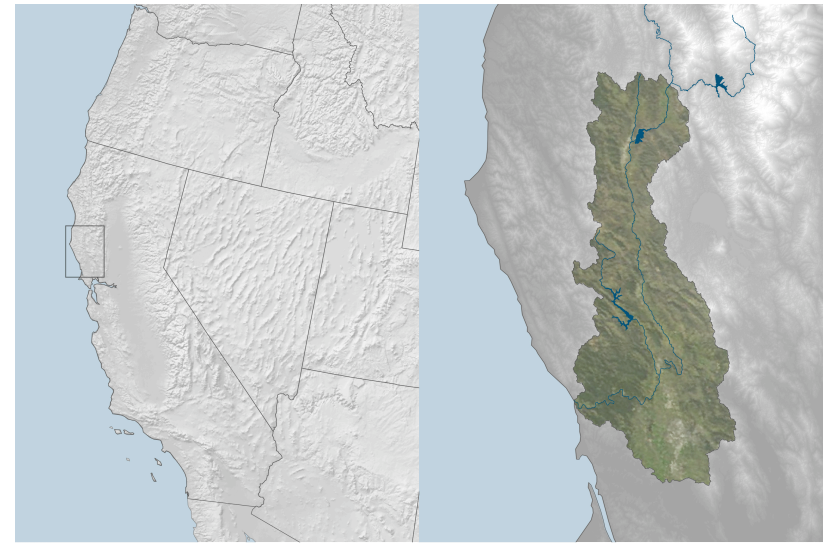
Why are we here?

To understand the key characteristics of useful decadal climate information for water management decisions.

How?

Get your reactions to a few images of the decadal climate predictions.

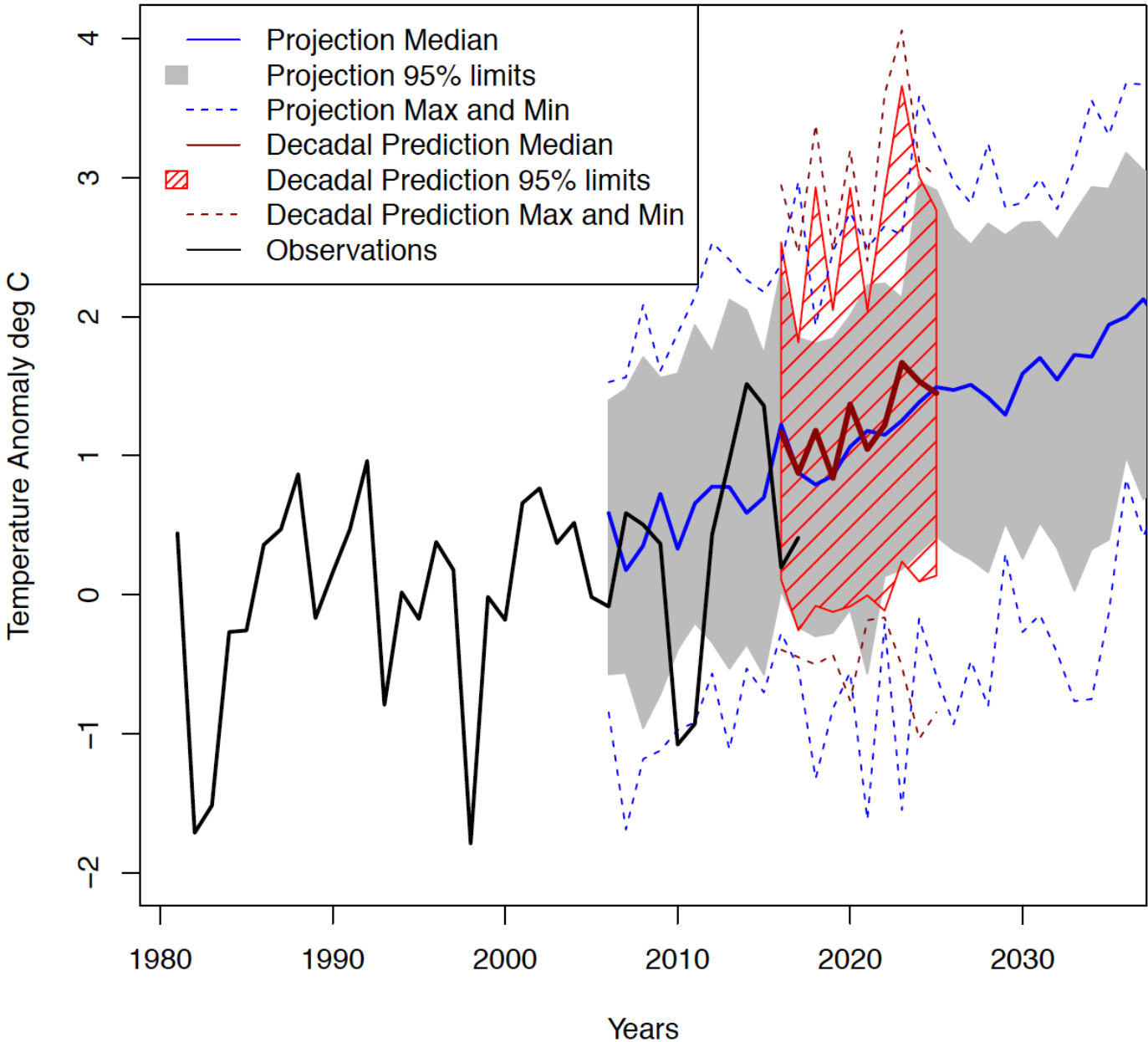
DECIDE Sacramento and Russian River Focus



Source: NOAA
<https://www.climate.gov/news-features/features/who-rules-californias-russian-river>

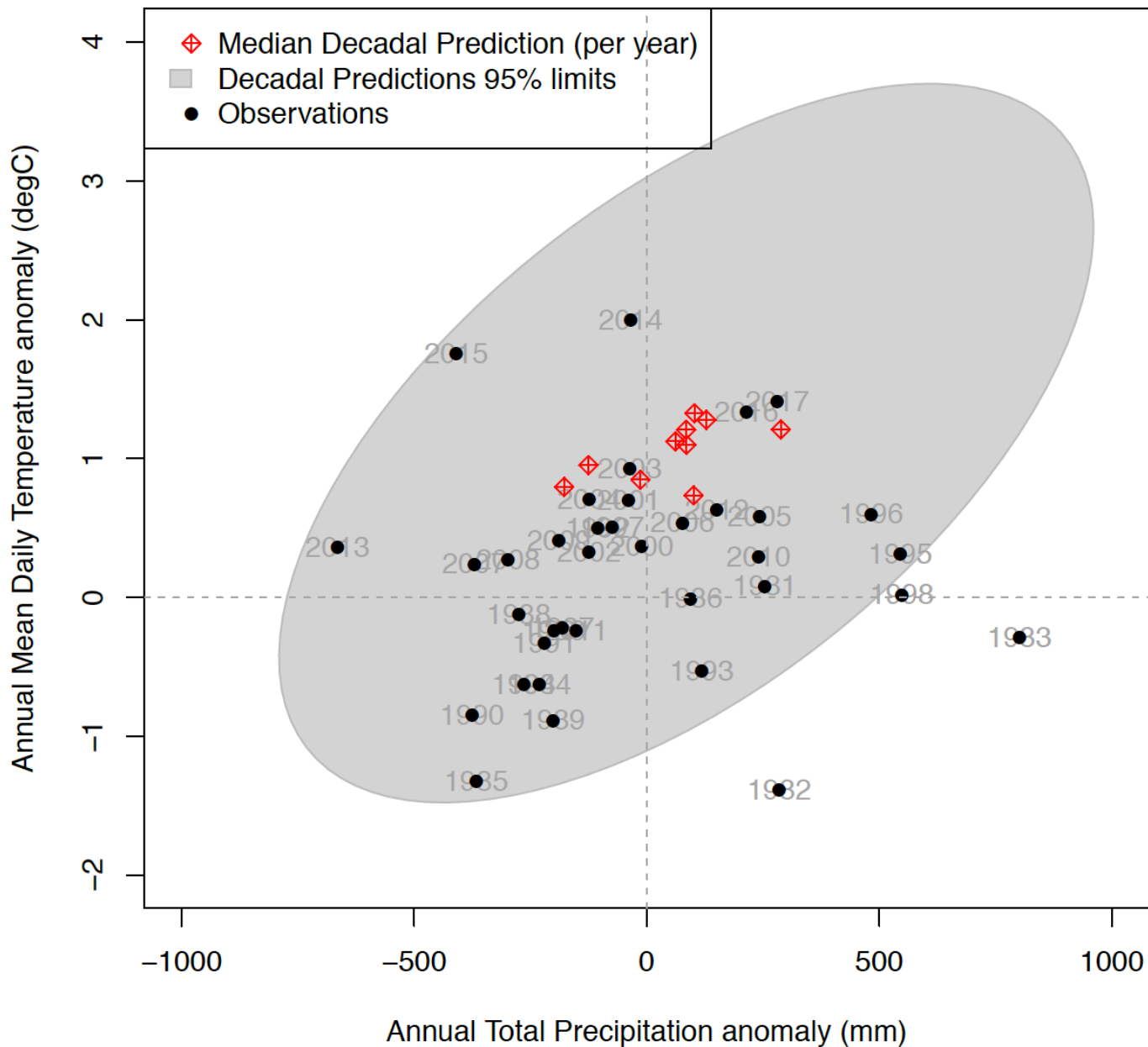
Source: Department of Water Resources

Mean Annual Daily Maximum Temperature Sacramento



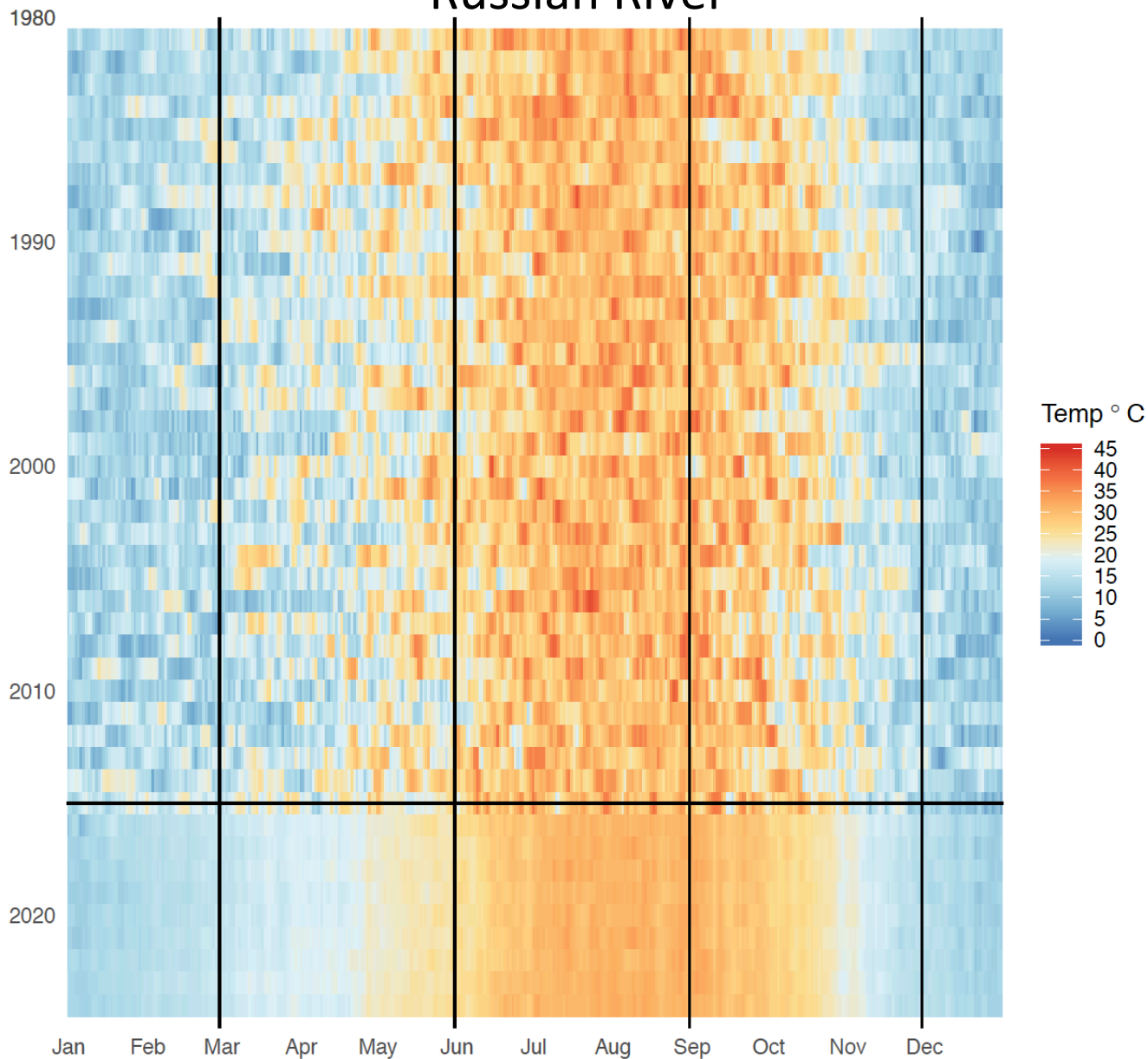
Annual Temperature and Precipitation Anomalies

Sacramento



Observed and Predicted Daily Max Temperature

Russian River



Wet Day Seasonality Sacramento

